

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/863,777

DATE: 06/12/2001  
TIME: 14:55:26

Input Set: A:\Amseqlst.asc  
Output Set: N:\CRF3\06122001\I863777.raw

7 (110) APPLICANT: Fett, James W.  
8 Olson, Karen A.  
10 (120) TITLE OF INVENTION: Antisense Inhibition of Angiogenesis Expression  
12 (130) FILE REFERENCE: 10498/05286  
C--> 14 (140) CURRENT APPLICATION NUMBER: US/09/863,777  
C--> 16 (141) CURRENT FILING DATE: 2001-05-23  
18 (150) PRIOR APPLICATION NUMBER: 60/041182  
20 (151) PRIOR FILING DATE: 1997-03-21  
22 (160) NUMBER OF SEQ ID NOS: 10  
24 (170) SOFTWARE: PatentIn Ver. 2.0  
28 (210) SEQ ID NO: 1  
30 (211) LENGTH: 4668  
32 (212) TYPE: DNA  
34 (213) ORGANISM: Homo sapiens  
36 (220) FEATURE:  
38 (221) NAME/KEY: CDS  
40 (222) LOCATION: (13(9)..(2252))  
42 (400) SEQUENCE: 1  
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48 tccgtgtgtt ttctagatcc acagtcttgc tctcagaaca ggctagcccac accacaggcc 180  
50 tagtgccagg acccatggcc tttttttaag ctccagactcc cttctgtgaa cagcaatata 240  
52 cccacaaact gtacaacatt ggtgcttctt gcaagggcta cagaactatt tgatacgaaa 300  
54 atgttcattg acttacacac aagagaagca caaaataaaa aattaataat taatttaaty 360  
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58 gaatgcaata caatttgaag atcagatatt tctccctttg tgagaatttc tcagtatgtg 480  
60 tgatgactac caagaaatca tagccagtca taaattcagt gagttactca taaacgaaca 540  
62 agaaccacct acttcttggg gaggttaggt tgcctccctt caactcagga tacaactgct 600  
64 ttcaactgct ttcttcacat tagctgacta attagctaga agcctgttgt aaacaatttt 660  
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74 catcccccac caatccatag aaatactgtc ttccacaaaa atgatccctg gtgcccacaaa 960  
76 tcttagagac cactccctta aaactctctt cttagctctc acctcctgta ttactatctc 1020  
78 atctcagtag attgaagccc ccatcttttc ccatggatg cctcatttcc tattagggag 1080  
80 gcattttttt attttttttt tttattttt tccgagacgg agtctcgtct tctcgcacag 1140  
82 ctggagtggt agtggcgaga tctcggtcca ctgcaagctc cgtctcccgg gttcagccca 1200  
84 ttctcctgac ccagcctccc aagtagcttg gactacaggg gccgcgacta cgcgcggcta 1260  
86 attttttgta ttttttagtag agacggggtt tcccggtggt agccaggatg gtctcgatct 1320  
88 cctgacctcg tgatccgccc gcttgggtct cccaaagtgc tgggattaca ggcgtgagac 1380  
90 cgcgcgcggc cgtcatttgg tatgtcttaa tctgctcag gacctagcac agtccctggt 1440  
92 acccagtaga gacctatgta atgttctgta ttcaataata aatacatgaa ttaaagagtg 1500  
94 agagtggatt ttgtaatttt acgactgata gagaaatact cagtgtattct aagggtggg 1560  
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98 aggtattgac gaagtgttag gttaatgagg aagggaatat agaataataa atttggtggt 1680  
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ENTERED

## RAW SEQUENCE LISTING

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Input Set : A:\Amseq1st.asc

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104 tgaagag atg gtg atg ggc ctg ggc att ttg ttg ttg gtc ttc gtg ctg 1850
106 Met Val Met Gly Leu Gly Val Leu Leu Val Phe Val Leu
107 1 5 10
111 ggt ctg ggt ctg acc cca cag acc ctg gct cag gat aac tcc agg tac 1898
113 Gly Leu Gly Leu Thr Pro Pro Thr Leu Ala Gln Asp Asn Ser Arg Tyr
114 15 20 25 30
117 aca cac ttc ctg acc cag cac tat gat gcc aaa cca cag ggc cgg gat 1946
119 Thr His Phe Leu Thr Gln His Tyr Asp Ala Lys Pro Gln Gly Arg Asp
120 35 40 45
123 gac aga tac tgt gaa agc atc atg agg aga cgg ggc ctg acc tca ccc 1994
125 Asp Arg Tyr Cys Glu Ser Ile Met Arg Arg Arg Gly Leu Thr Ser Pro
127 50 55 60
130 tcc aaa gac atc aac aca ttt att cat ggc aac aag cgc agc atc aag 2042
132 Cys Lys Asp Ile Asn Thr Phe Ile His Gly Asn Lys Arg Ser Ile Lys
133 65 70 75
136 gcc atc tgt gaa aac aag aat gga aac cct cac aga gaa aac cta aca 2090
138 Ala Ile Cys Glu Asn Lys Asn Gly Asn Pro His Arg Glu Asn Leu Arg
139 80 85 90
142 ata agc aag tct tct ttc cag gtc acc act tgc aag cta cat gga ggt 2138
144 Ile Ser Lys Ser Ser Phe Gln Val Thr Thr Cys Lys Leu His Gly Gly
145 95 100 105 110
148 tcc ccc tgg cct cca tgc cag tac cga gcc aca gcc ggg ttc aga aac 2186
150 Ser Pro Trp Pro Cys Gln Tyr Arg Ala Thr Ala Gly Phe Arg Asn
151 115 120 125
154 gtt gtt gtt gct tgt gaa aat gcc tta cct gtc cac ttg gat cag tca 2234
156 Val Val Val Ala Cys Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser
157 130 135 140
160 att ttc cgt cgt ccg taa ccagcgggcc cctgggtcaag tctgtgctct 2282
162 Ile Phe Arg Arg Pro
163 145
167 gctgtccttg ccttccattt cccctctgca ccagaaacag tgggtggcaac attcattgcc 2342
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199 tgtcatggtt attttatata aaattcaaaa accaattaca ttatttctc tgtaattctt 3302
201 tactttatca actaatgtct ggcaagtgtg atgttttggg gaagttatag aagattccgg 3362

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203 ccagggcgctt atctcacgct tctaatecag cactttggga agctgagggc gacagatcac 3422
205 gaggtcaaga gataaagacc atcctggaca acatggtgaa accttgtctc tactaaaaat 3482
207 gtgaaaattt gctggcgctt gtggcacaca cctatagctc cagctactcg qqagcctgag 3542
209 gcaggagaat cctttgaacc taggaagcgg aggttcgact gagccgagat cagcccastg 3602
211 cactcagacc tggcgacaaq agcagagctc cactcaaaaa aaaaaaaaaa aagaaagatc 3662
213 ccagttttat ccagttttat ccttattctt cctcaattct caagattttg ttttaagtta 3722
215 acataactta ggttaacaca ctctttgtta aatacactgt tcaatctaca gactcagtgg 3782
217 ttagcttctt gttaaactat ttctgttgac aggtacttgg atatittatt tagaaagtgg 3842
219 ttgcccataa attagttata agtcgccagt ttcactgcct tctgaacaca taattattgt 3902
221 ggtctcagta ttccctatgg tggcttctcc tgctcctggg attgccctga aatgggccaa 3962
223 aagccgtggc tcccgaatgc tcagggttata gaacattgtc caggtaccac ctaggagagc 4022
225 ccagcctcac tgaagtatt caaatcttag aatgggtttg agaagtaggt agctggtatg 4082
227 tcttagcac aagaatctct ctcccttggg ttagtctgtt tcaaaactga aaacactgtc 4142
229 attccttaa; aaatlaggaa aaagtattcc aaacctctgt cactagaaaa tttgccatat 4202
231 taccaaatct caaaaactc tcaggaaatg ajaaagtccc agtttctggg aaactatttg 4262
233 agcccttttc tcaagttctc ctccagtgcc tatttctctg aggtgagga aagttactca 4322
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239 atcatcgcct agtttgcctc ggtgttcagg gaaatcgcct ttccatagga aatcacatgg 4502
241 cagtgggatg gaagtgtttc ctgacctgcc gatggtaact gcacctgagc aagcattcct 4562
243 atctcttttt gttctgggac tcttgttcta tcacaaccac aagctgttta aaataaaaaa 4622
245 gtaaatcac aggcaggtca tttatcctg cgtgaatcaa ttgaag 4668

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248 (210) SEQ ID NO: 2

250 (211) LENGTH: 147

252 (212) TYPE: PR1

254 (213) ORGANISM: Homo sapiens

256 (400) SEQUENCE: 2

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259 1 5 10 15
261 Gly Leu Thr Pro Pro Thr Leu Ala Gln Asp Asn Ser Arg Tyr Thr His
262 20 25 30
264 Phe Leu Thr Gln His Tyr Asp Ala Lys Pro Gln Gly Arg Asp Asp Arg
265 35 40 45
267 Tyr Cys Glu Ser Ile Met Arg Arg Arg Gly Leu Thr Ser Pro Cys Lys
268 50 55 60
270 Asp Ile Asn Thr Phe Ile His Gly Asn Lys Arg Ser Ile Lys Ala Ile
271 65 70 75 80
277 Cys Glu Asn Lys Asn Gly Asn Pro His Arg Glu Asn Leu Arg Ile Ser
278 85 90 95
280 Lys Ser Ser Phe Gln Val Thr Thr Cys Lys Leu His Gly Gly Ser Pro
281 100 105 110
283 Trp Pro Pro Cys Gln Tyr Arg Ala Thr Ala Gly Phe Arg Asn Val Val
284 115 120 125
286 Val Ala Cys Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe
287 130 135 140
289 Arg Arg Pro
290 145
294 (210) SEQ ID NO: 3
296 (211) LENGTH: 18

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298 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence:
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322 <220> FEATURE:
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336 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence:
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346 <400> SEQUENCE: 5
348 aaacggcatc atgaatca 18
350 <210> SEQ ID NO: 6
352 <211> LENGTH: 18
354 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
360 <223> OTHER INFORMATION: Description of Artificial Sequence:
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364 <400> SEQUENCE: 6
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368 <210> SEQ ID NO: 7
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378 <223> OTHER INFORMATION: Description of Artificial Sequence:
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390 <212> TYPE: DNA
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394 <220> FEATURE:
396 <223> OTHER INFORMATION: Description of Artificial Sequence:

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402 cagggcccatc atcatcac
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410 <212> TYPE: DNA
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414 <220> FEATURE:
416 <223> OTHER INFORMATION: Description of Artificial Sequence:
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419 <400> SEQUENCE: 9                                18
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424 <210> SEQ ID NO: 10
426 <211> LENGTH: 18
428 <212> TYPE: DNA
430 <213> ORGANISM: Artificial Sequence
433 <220> FEATURE:
435 <223> OTHER INFORMATION: Description of Artificial Sequence:
436      phosphorothioate oligodeoxynucleotide
438 <400> SEQUENCE: 10                                18
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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/863,777

DATE: 06/12/2001

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Input Set : A:\Amseqlst.asc

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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date